

10/554308
JC06 Rec'd PCT/PTO 21 OCT 2005

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SEQUENCE LISTING

<110> National Institute of Agrobiological Sciences

<120> Method of accumulating allergen-specific T-cell antigen determinant in plant and plant having the antigen determinant accumulated therein

<130> MOA-A0217P

<150> JP 2003-120639

<151> 2003-04-24

<160> 10

<170> PatentIn Ver. 2.0

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<211> 96

<212> PRT

<213> Homo sapiens

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2 / 1 7

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Asn Phe His Leu Gln Lys Asn Lys Leu Thr Ser Gly Lys Ile Ala Ser

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Cys Leu Asn Tyr Gly Leu Val His Val Ala Asn Asn Asn Tyr Asp Pro

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Ser Gly Lys Tyr Glu Gly Gly Asn Ile Tyr Thr Lys Lys Glu Ala Phe

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<213> Homo sapiens

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Asn Phe His Leu Gln Lys Asn Lys Leu Thr Ser Gly Lys Ile Ala Ser

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Cys Leu Asn Tyr Gly Leu Val His Val Ala Asn Asn Asn Tyr Asp Pro

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Ser Gly Lys Tyr Glu Gly Gly Asn Ile Tyr Thr Lys Lys Glu Ala Phe

65 70 75 80

Asn Val Glu Gln Phe Ala Lys Leu Thr Gly Phe Thr Leu Met Gly Arg

85 90 95

Gly Ile Ile Ala Ala Tyr Gln Asn Pro Ala Ser Trp Lys Ser Met Lys

100 105 110

Val Thr Val Ala Phe Asn Gln Phe Gly Pro Asp Ile Phe Ala Ser Lys

115 120 125

Asn Phe His Leu Gln Lys Asn Lys Leu Thr Ser Gly Lys Ile Ala Ser

130 135 140

Cys Leu Asn Tyr Gly Leu Val His Val Ala Asn Asn Asn Tyr Asp Pro

145 150 155 160

Ser Gly Lys Tyr Glu Gly Gly Asn Ile Tyr Thr Lys Lys Glu Ala Phe

4 / 1 7

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Met Ala Ser Ile Asn Arg Pro Ile Val Phe Phe Thr Val Cys Leu Phe

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<213> Artificial Sequence

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<223> Description of Artificial Sequence:Artificially

constructed DNA sequence

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acaccttatg aaaactggag gggcccaca gaccaacaac aagtttaggtc ccaaaccatg 300

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aatactgaga cctagcattg tagtcgacca aggaggtta tgcagcaatt ttaggtgggg 720

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aaaaaaaaag tattattgaa ttaaatggaa aaagaaaaag gaaaaaggggg atggcttctg 1140

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Met Ala

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agt tcc ggt ttc tct cgg ttt tct ata tac ttt tgt gtt ctt cta tta 2386

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tgc cac ggt tct atg gcc cag ccc atg ggc atc atc gca gct tac caa 2434

Cys His Gly Ser Met Ala Gln Pro Met Gly Ile Ile Ala Ala Tyr Gln

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aat cca gca agc tgg aag agt atg aag gtt aca gtt gca ttc aac caa 2482

Asn Pro Ala Ser Trp Lys Ser Met Lys Val Thr Val Ala Phe Asn Gln

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Phe Gly Pro Asp Ile Phe Ala Ser Lys Asn Phe His Leu Gln Lys Asn

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aag ctc aca agt ggc aag att gca agc tgc ttg aac tat gga ttg gtt 2578

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Lys Leu Thr Ser Gly Lys Ile Ala Ser Cys Leu Asn Tyr Gly Leu Val

70 75 80

cat gta gct aac aat aac tat gat cca agc ggt aag tat gag ggt ggc 2626

His Val Ala Asn Asn Asn Tyr Asp Pro Ser Gly Lys Tyr Glu Gly Gly

85 90 95

aac atc tac act aag aag gaa gca ttc aac gta gag caa ttt gca aag 2674

Asn Ile Tyr Thr Lys Lys Glu Ala Phe Asn Val Glu Gln Phe Ala Lys

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ctc aca ggc ttc act ctc atg gga cgc aag gac gag ttg aagagctctg 2723

Leu Thr Gly Phe Thr Leu Met Gly Arg Lys Asp Glu Leu

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Tyr Gln Asn Pro Ala Ser Trp Lys Ser Met Lys Val Thr Val Ala Phe

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Asn Gln Phe Gly Pro Asp Ile Phe Ala Ser Lys Asn Phe His Leu Gln

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Lys Asn Lys Leu Thr Ser Gly Lys Ile Ala Ser Cys Leu Asn Tyr Gly

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Leu Val His Val Ala Asn Asn Asn Tyr Asp Pro Ser Gly Lys Tyr Glu

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<212> DNA

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tcactggcct acctcacccgg tcaaggctca tccttaggg tcaccaacac agatgaccaaa 240

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taacatctct g g t t g c c t a g c a a a c a t a t g a t t g t a t a a g t t c g t t g t t a t t 420

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c a c a c g a c a a a t c c t t c c a t t t c t a t t a t t a t t g a c a a t t a a t t g c g a g a t a c a 540

t t g t c t g t t t a c c t t t t t t t c a g a t g g c a t t t t a t a g t t a a c c t t t c a t g g a c c g g 600

c a g t a g t t c t a a c c a t g a a t g a a a g a a a t c a t g t c c a c a c a c g c a g g a t t g g 660

t c a t t t a g a c a g a c g a t t g a t t a t g t c t t g t a t g a t a g t a c a g t a a t a a a 720

a c a a a c a t a t g g c a t t t t t t t a t t a c c g g c g a g t t a a a t a a a t t t a t g t c a c g a t a a a a 780

c t g c c t a a t a a t g c a c g c c a g a a a a t a t a a t g a t a a a a a a a g a a a a g a a t a c a t a a g t c 840

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<212> DNA

<213> Oryza sativa

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